

## ABSTRACT OF THE DISCLOSURE

A vehicle locating system for directing a user to a remotely-located vehicle comprises a vehicle-mounted location unit and a personal fob. The vehicle-mounted location unit includes a first global positioning receiver for receiving satellite location signals which operates at a duty cycle sufficient to maintain predetermined aiding data. The vehicle-mounted location unit processes vehicle location data and further includes a first local data transceiver for transmitting the predetermined aiding data. The portable fob includes a second global positioning receiver for receiving the satellite location signals, wherein the second global positioning receiver operates substantially only when the user initiates a request for directions to the vehicle. The portable fob further includes a second local data transceiver for receiving the predetermined aiding data from the first local data transceiver. The portable fob processes fob location data in response to the predetermined aiding data.